Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/10/2019 12:54 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124207	-1	2.14	124302	2.16
Blue	F	SSC	125000	123170	-2	1.43	124004	1.44
Blue	E	FITC	16694	16427	-2	2.80	357	19.47
Blue	D	PE	32792	32003	-3	2.03	696	14.18
Blue	B	PerCP-Cy5-5	44451	43721	-2	3.71	1183	19.72
Blue	A	PE-Cy7	33645	33423	-1	6.06	637	40.15
Red	C	APC	47008	46805	-1	2.51	1655	11.75
Red	A	APC-Cy7	32298	31184	-4	2.56	826	11.67
Violet	B	V450	8961	8557	-5	4.17	482	13.48
Violet	A	V500	32726	31906	-3	3.91	742	10.12

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21166	3.76	603	-10	N/A	N/A	Pass
Blue	F	SSC	55911	1.14	543	-25	N/A	N/A	Pass
Blue	E	FITC	65	62.06	541	-22	0.0217	97	Pass
Blue	D	PE	146	47.38	548	-18	0.1773	268	Pass
Blue	B	PerCP-Cy5-5	216	49.77	646	-25	0.0103	88	Pass
Blue	A	PE-Cy7	116	100.12	698	-28	0.0119	12	Pass
Red	C	APC	391	25.08	588	-25	0.0286	179	Pass
Red	A	APC-Cy7	182	28.40	562	-23	0.0066	1040	Pass
Violet	B	V450	76	55.12	472	-14	0.0395	1194	Pass
Violet	A	V500	112	29.65	482	-14	0.0244	282	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.40	-32.07	0.97
Blue	20.34	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.51
Red	16.86	13.60 - 20.40	N/A	N/A	29.63	29.93	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10309

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments